



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/647,445	08/26/2003	Kil-soo Jung	1293.1994	1650
49455 7590 10/09/2007 STEIN, MCEWEN & BUI, LLP 1400 EYE STREET, NW SUITE 300 WASHINGTON, DC 20005				
			EXAMINER CHIO, TAT CHI	
			ART UNIT 2621	PAPER NUMBER
			MAIL DATE 10/09/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/647,445

Applicant(s)

JUNG ET AL.

Examiner

Tat Chi Chio

Art Unit

2621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on amendment filed on 8/20/2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 3-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 and 3-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Terminal Disclaimer

1. The terminal disclaimer filed on 8/20/2007 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of any patent granted on Application Number 10/647440 and any patent granted on Application Number 10/647443 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Response to Arguments

1. Applicant's arguments filed 8/20/2007 have been fully considered but they are not persuasive.

In response to Applicant's argument that Lamkin et al. does not disclose that the event registration information to check whether the user performed the action and event handling information to handle the event by controlling an operation of the AV playback engine when the key input event occurs, Lamkin et al. disclose in Table A.1.41 that check if a User Operation is valid and the main purpose of this command is to retrieve the current UOP (User Operation) status. Checking the validity of a user operation can be done if there is a user operation, therefore, this information provides whether the user performed an action. Furthermore, since the main purpose of this command is to retrieve the current user operation status, checking whether user performed an action is needed before retrieving the current user operation status. Therefore, Lamkin et al. teach "the event registration information to check whether the user performed the action

Art Unit: 2621

and event handling information to handle the event by controlling an operation of the AV playback engine when the key input event occurs" in Table A.1.41.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1 and 3-11 are rejected under 35 U.S.C. 102(e) as being anticipated by Lamkin et al. (US 7,178,106 B2).

Consider claim 1, Lamkin et al. teach an information storage medium comprising: AV data (Fig. 7); and a markup document utilized to reproduce the AV data in an interactive mode, wherein the markup document comprises first event information to inform, by default, an AV playback engine, which plays back the AV data, of an occurrence of a key input event corresponding to a user action (col. 19, lines 44-47), wherein the first event information comprises event registration information to check whether the user performed the action and event handling information to handle the

event by controlling an operation of the AV playback engine when the key input event occurs (Table A.1.41).

Consider claim 3, Lamkin et al. teach the information storage medium, wherein the event registration information is recorded using an on-click event defined in the markup document, and the event handling information is created by a function that allows the AV playback engine to perform an operation corresponding to the on-click event (col. 8, lines 46-59).

Consider claim 4, Lamkin et al. teach the information storage medium of claim 2, wherein the event registration information is recorded using a key input event listener to check whether the key input event occurs, and the event handling information is recorded using a key input event handler to control the operation of the AV playback engine (col. 8, lines 46-59 and Table A.1.41).

Consider claim 5, Lamkin et al. teach the information storage medium, wherein the AV playback engine is informed of the occurrence of the key input event via an ENAV engine that interprets and executes the markup document (col. 11, lines 56-67 and col. 12, lines 1-15).

Consider claim 6, Lamkin et al. teach the information storage medium, wherein the AV playback engine is informed of the occurrence of the key input event via an interface handler in an ENAV engine that interprets and executes the markup document (702 and 704 of Fig. 7).

Consider claim 7, Lamkin et al. teach the information storage medium, wherein the interface handler transmits a playback control command to implement a

predetermined operation of the AV playback engine corresponding to the key input event (col. 19, lines 44-47).

Consider claim 8, Lamkin et al. teach the information storage medium, wherein the first event information is written using at least one of script language and markup language (col. 19, lines 44-47).

Consider claim 9, Lamkin et al. teach the information storage medium, wherein the first event information is written using at least one of JavaScript language and XML language (740 of Fig. 7).

Consider claim 10, Lamkin et al. teach the information storage medium, wherein the markup document comprises second event information to prohibit informing the AV playback engine, which decodes the AV data, of the occurrence of the key input event (Table A.1.41 and col. 19, lines 51-54).

Consider claim 11, Lamkin et al. teach the information storage medium, wherein the second event information is recorded using an Application Program Interface (API) (col. 11, lines 56-67 and col. 12, lines 1-15).

Conclusion

3. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not

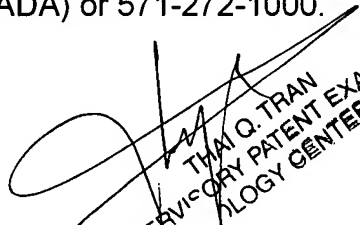
Art Unit: 2621

mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tat Chi Chio whose telephone number is (571) 272-9563. The examiner can normally be reached on Monday - Thursday 8:30 AM-6:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thai Tran can be reached on (571)-272-7382. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


THAI Q. TRAN
SUPERVISOR
ELECTRONIC BUSINESS CENTER 2600